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Substitute for form 1449A-B/PTO

Complete if Known

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	10/698,995
Filing Date	October 30, 2003
First Named Inventor	Dr. Atul Navinchandra Parikh
Group Art Unit	1762
Examiner Name	Unassigned <i>ML. Padgett</i>
Attorney Docket Number	309J-000740US
Date Submitted	September 30, 2004

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
<i>MLP</i>	1	2002/0094544	A1	Fang et al.	07-18-2002	
<i>MLP</i>	2	6,228,326		Boxer et al.	05-08-2001	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
<i>MLP</i>	3	ANDERSON ET AL. (2000) "Concentration of MHC Class II Molecules in Lipid Rafts Facilitates Antigen Presentation." <i>Nature Immunology</i> 1(2): 156-162. <i>August</i>	
<i>MLP</i>	4	ANDERSON ET AL. (2002) "A Role for Lipid Shells in Targeting Proteins to Caveolae, Rafts, and Other Lipid Domains." <i>Science</i> 296:1821-1825. <i>June</i>	
<i>MLP</i>	5	AXELROD ET AL. (1978) "Mobility Measurement by Analysis of Fluorescence Photobleaching Recovery Kinetics." <i>Biophysical Journal</i> 16:1055-1069 <i>Vol. 16, No month 1976</i>	
<i>MLP</i>	6	BAYERL AND BLOOM (1990) "Physical properties of single phospholipid bilayers adsorbed to micro glass beads." <i>Biophysical Journal</i> 58:357-362. <i>August</i>	
<i>MLP</i>	7	BAYLEY AND CREMER (2001) "Stochastic sensors inspired by biology." <i>Nature</i> 413:226-230. <i>September</i>	
<i>MLP</i>	8	BOXER (2000) "Molecular transport and organization in supported lipid membranes." <i>Current Opinion in Chemical Biology</i> 4:704-709. <i>No month</i>	
<i>MLP</i>	9	CREMER ET AL. (1999) "Creating Spatially Addressed Arrays of Planar Supported Fluid Phospholipid Membranes." <i>Journal of American Chemistry Society</i> 121:8130-8131. <i>August</i>	
<i>MLP</i>	10	CREMER ET AL. (1999) "Formation and Spreading of Lipid Bilayers on Planar Glass Supports." <i>Journal of Physical Chemistry B</i> 103(13):2554-2559. <i>No month</i>	
<i>MLP</i>	11	DIETRICH ET AL. (2001) "Lipid Rafts Reconstituted in Model Membranes." <i>Biophysical Journal</i> 80:1417-1428. <i>March</i>	
<i>MLP</i>	12	EISERICH ET AL. (1998) "Formation of nitric oxide-derived inflammatory oxidants by myeloperoxidase in neutrophils." <i>Nature</i> 391:393-397. <i>Jan. 22, 1998</i>	


Examiner Signature	<i>ML Padgett</i>	Date Considered	<i>4/5/05</i>
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MPP	13	EISERICH ET AL. (2002) "Myeloperoxidase, a Leukocyte-Derived Vascular NO Oxidase." <i>Science</i> 296:2391-2394. <u>June 28, 2002</u>	
MPP	14	FANG ET AL. (2002) "Membrane Protein Microarrays." <i>Journal of American Chemistry Society</i> 124(11): 2394-2395. <u>NO month</u>	
MPP	15	FISHMAN ET AL. (1993) "Gangliosides as Receptors for Bacterial Enterotoxins." <i>Advances in Lipid Research</i> 25:165-187. <u>Vol. 25 NO month</u>	
MPP	16	FODOR ET AL. (1991) "Light-Directed, Spatially Addressable Parallel Chemical Synthesis." <i>Science</i> 251:767-773 <u>Feb. 16, 1991</u>	
MPP	17	FRISBIE ET AL. (1994) "Functional Group Imaging by Chemical Force Microscopy." <i>Science</i> 265:2071-2074. <u>September</u>	
MPP	18	GRAKOU ET AL. (1999) "The Immunological Synapse: A Molecular Machine Controlling T Cell Activation." <i>Science</i> 285: 221-227. <u>July 9, 1999</u>	
MPP	19	GROVES ET AL. (1995) "Electric Field-Induced Concentration Gradients in Planar Supported Bilayers." <i>Biophysical Journal</i> 69:1972-1975. <u>November</u>	
MPP	20	GROVES ET AL. (1997) "Micropatterning Fluid Lipid Bilayers on Solid Supports." <i>Science</i> 275:651-653. <u>January 31, 1997</u>	
MPP	21	GROVES ET AL. (1998) "Substrate-Membrane Interactions: Mechanism for Imposing Patterns on a Fluid Bilayers Membrane." <i>Langmuir</i> 14(12): 3347-3350. <u>May</u>	
MPP	22	GROVES ET AL. (2001) "Control of Cell Adhesion and Growth with Micropatterned Support Lipid Membranes." <i>Langmuir</i> 17(17):5129-5133. <u>July</u> NO month, but after or at June 4	
MPP	23	GROVES AND BOXER. (2002) "Micropattern Formation in Supported Lipid Membranes." <i>Accounts of Chemical Research</i> 35:149-157. <u>Vol. 35, No. 3</u> NO month <u>March</u>	
MPP	24	HOVIS AND BOXER (2001) "Patterning and Composition Arrays of Supported Lipid Bilayers by Microcontact Printing." <i>Langmuir</i> 17(11):3400-3405. <u>April</u>	
MPP	25	HOVIS AND BOXER (2000) "Patterning Barriers to Lateral Diffusion in Supported Lipid Bilayer Membranes by Blotting and Stamping." <i>Langmuir</i> 16(3):894-897. <u>January 4, 2000</u>	
MPP	26	KALB ET AL. (1992) "Formation of supported planar bilayers by fusion of vesicles to supported phospholipid monolayers." <i>Biochimica et Biophysica Acta</i> 1103:307-316. <u>NO month</u>	
MPP	27	KUNG ET AL. (2000) "Printing via Photolithography on Micropartitioned Fluid Lipid Membranes." <i>Advanced Materials</i> 12(10): 731-734. <u>NO month</u>	
MPP	28	KUNG ET AL. (2000) "Patterning Hybrid Surfaces of Proteins and Supported Lipid Bilayers." <i>Langmuir</i> 16(17):6773-6776. <u>Vol. NO. Phys</u> NO month <u>July 29, 2000</u>	

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29	LUM ET AL. (2002) "Dynamic Regulation of LFA-1 Activation and Neutrophil Arrest on Intercellular Adhesion Molecule 1 (ICAM-1) in Shear Flow." <i>The Journal of Biological Chemistry</i> 277:20660-20670. April 2, 2002 and June 7, 2002	
30	MAYER ET AL. (1986) "Vesicles of variable sizes produced by a rapid extrusion procedure." <i>Biochimica et Biophysica Acta</i> 858:161-168. no month (after Feb. 10)	
31	MCCONNELL ET AL. (1986) "Supported planar membranes in studies of cell-cell recognition on the immune system." <i>Biochimica et Biophysica Acta</i> 864:95-106. no month (after Feb. 10)	
32	MORIGAKI ET AL. (2001) "Patterning Solid-Supported Lipid Bilayer Membranes by Lithographic Polymerization of a Diacetylene Lipid." <i>Angew Chem Int. Ed.</i> 40:172-174. No Month	
33	NISSEN ET AL. (2001) "Interface Dynamics of Lipid Membrane Spreading on Solid Surfaces." <i>Physical Review Letters</i> 86:1904-1907. Vol. 86, No. 9 Feb. 26, 2001	
34	OVERNEY ET AL. (1994) "Force Microscopy Study of Friction and Elastic Compliance of Phase-Separated Organic Thin Films." <i>Langmuir</i> 10:1281-1288. Vol. 10, No. 4, no month	
35	PARIKH ET AL. (1999) "Infrared Spectroscopic Characterization of Lipid-Alkylsiloxane Hybrid Bilayer Membranes at Oxide Substrates." <i>Langmuir</i> 15:5369-5381. July	
36	PLANT (1993) "Self-Assembled Phospholipid/Alkanethiol Biomimetic Bilayers on Gold." <i>Langmuir</i> 9:2764-2767. no month, but after Aug. 23, 1993	
37	ROSENBERGER ET AL. (2000) "Microbial Pathogenesis: Lipid Rafts as Pathogen Portals." <i>Current Biology</i> 10: R823-R825. no month	
38	SACKMANN (1996) "Supported Membranes: Scientific and Practical Applications." <i>Science</i> 271:43-48. January 5, 1996	
39	SACKMANN AND TANAKA (2000) "Supported Membranes on Soft Polymer Cushions: Fabrication, Characterization and Applications." <i>Trends in Biotechnology</i> 18:58-64. February	
40	SALOME ET AL. (1998) "Characterization of Membrane Domains by Frap Experiments at Variable Observation Areas." <i>Eur Biophys Journal</i> 27:391-402. No month, but after 1/19/98	
41	SANDRE ET AL. (1999) "Dynamics of Transient Pores in Stretched Vesicles." <i>Proceedings of the National Academy of Sciences USA</i> 96:10591-10596. September	
42	SIMMONS AND IKONEN (1997) "Functional Rafts in Cell Membranes." <i>Nature</i> 387:569-572. June	
43	SINGH AND KELLER (1991) "Atomic Force Microscopy of Supported Planar Membrane Bilayers." <i>Biophysical Journal</i> 60:1401-1410. December	
44	SINNER AND KNOLL. (2001) "Functional Tethered Membranes." <i>Current Opinion in Chemical Biology</i> 5(6): 705-711. no month	

Examiner Signature	<i>M.L. Padgett</i>	Date Considered	4/5/05
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45	SOHN ET AL. (2003) "Crucial Role of Local Peroxynitrite Formation in Neutrophil-induced Endothelial Cell Activation." <i>Cardiovascular Research</i> 57(3):804-815. <i>no month</i>
46	SOUMPASIS (1983) "Theoretical Analysis of Fluorescence Photobleaching Recovery Experiments." <i>Biophysical Journal</i> 41:95-97. <i>January</i>
47	ULMAN ET AL. (1997) "Micropatterning Fluid Membranes." <i>Advanced Matter</i> 9(14): 1121-1123. <i>No month</i>
48	VAN MEER (2002) "The Different Hues of Lipid Rafts." <i>Science</i> 296:855-857. <i>May 3, 2002</i>
49	VAN OUDENAARDEN AND BOXER (1999) "Brownian Ratchets: Molecular Separations in Lipid Bilayers Supported on Patterned Arrays." <i>Science</i> 285(5430):1046-1048. <i>Aug 13, 1999</i>
50	WENTWORTH ET AL. (2002) "Evidence for Antibody-Catalyzed Ozone Formation in Bacterial Killing and Inflammation." <i>Science</i> 298:2195-2199. <i>Aug 27, 2002</i>

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